Scott. II-27—45,004—14-11-29.

L S G (1930) Department.

Ms. SERIES.

G.O. No. 1900 P. H.

DATED 1—8—1930.

[Despatch Abstract.]

Malaria - Hospet Municipality - progress of anti-malarial operations - Recorded with remarks.

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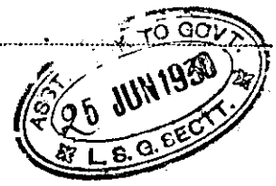
C.F. 30.

Public Health **DEPARTMENT.**

Received ..... 192 . *Registered* ..... 192 .



Subject. 22555

Progress of antimalarial operations in Hospet Municipality.

ENCLOSURES.
No .....
.....
Spare copies .....

R. No. 203-3/Mal.

Station Madras. , *Dated the* 20th June 1930.

From (Name) Captain H.R. Ubhaya, D.P.H.,
(Designation) Ag: Director of Public Health, Madras.

To The Secretary to the Government of Madras,
Local Self Government (Public Health) Department.

Sir,

I have the honour to forward for the information of the Government a copy of the Special Malaria Officer's report on the progress of antimalarial operations in Hospet Municipality.

It is a matter for regret that no serious attempt has so far been made to eradicate malaria from the place by carrying out the recommendations of the Special Malaria Officer. In the interests of the Public Health of the place, it is high time that these local bodies are aroused from their lethargy and made to realise their responsibility in the matter. The Municipal Council may be advised to

AY/25/6

employ

employ a separate permanent staff for anti-malarial operations and also make necessary provision in its budget for the employment of a Health Officer at least from April 1931.

Meanwhile the arrangement suggested by the Special Malaria Officer may be adopted.

I have the honour to be,

Sir,

Your most obedient servant,

Captain D.P.H.,
Ag: Director of Public Health, Madras.

PRR/.20.6.exd.

(7)

Progress of antimalarial operations in Hospet Town.

In pursuance of G.O.No.Mis.1257 L.&.M. dated 26th March 1930 calling for a report on the antimalarial work carried-out at Hospet I visited Hospet between the 17th and 21st of May last for a round of inspection. Almost about the same time last year, I had visited Hospet and made certain suggestions for the proper conduct of the work (vide report submitted along with the Director of Public Health's letter R.No.73-3/Mal. dated 25th May 1929). The first point which my attention was called to, as soon as I arrived at Hospet, was the absence of the Sanitary Inspector for supervising the work of the coolies. During April 1929, a Sanitary Inspector had been just then engaged; but now for nearly three months none was holding this office and the coolies were placed to work under the municipal-works-supervisor: and the work consisted merely of removing prickly-pear at some place or other but without any regard for its effective disposal. In many of the old places, where this wild growth had been removed, fresh outcrops were coming over the surface of the ground: and, at this rate, the usefulness of this work and the cost involved may have to be held under question. A feature of considerable relief was the absence of any pool or ditch of water except in the course of the Roya channel and its branches. Agricultural operations were at a stand-still except for the planting of new seedlings of sugar-cane. Mosquitoes were at a minimum and beyond a few larvae of A. subpictus in one or two muddy pools near the side of the Roya channel, none else was to be found. Obviously none of the suggestions made in my report of May 1929 had been carried out.

pp 1-5 GG0/1907 P.H 31-7-30 (J)

2. I interviewed the Chairman who is new to the office: and he assured me that he has made arrangements for appointing a Sanitary Inspector who was expected to arrive early, although he had some difficulties to get at a suitable candidate. He also added that he has been studying the matter closely and would only be too glad to carry out our advice and suggestions in future.

3. It is however gratifying to note that the Government have sanctioned a sum of Rs. 1,860 for clearing the Roya channel and its branches of all weeds and grass and for sloping the banks thereof.

(Y) Fin 1528 P.H 19-1-30 2120

specially by the Chairman, whether

the estimates include the clearing up of all the distributory channels which are under the control of the Public Works Department, until they actually enter into the fields of the pattadars. For, strictly speaking, these latter are of greater importance and demand much more urgent attention and the time of their cleaning should be so adjusted as to be well in advance of the malaria season which is from the end of September or early in October. It is presumed that the Public Works Department will inform the Director of Public Health as to the exact time of their executing the work so that the Special Malaria Officer may, if possible, visit Hospet at the time and help the authorities in the clearing operation.

4. Incidentally, I thought it would be advisable to study the present situation in regard to the actual incidence of malaria at Hospet. Since the first investigation conducted by Dr. V. Srinivasa Rao in 1915 nothing tangible towards controlling the disease has been done. The report submitted by the Director, King Institute in 1927 went to corroborate the opinions formulated over 12 years earlier. I myself visited in November 1927 and made a survey of the anopheles mosquito breeding places with a view to suggest the exact remedial measures: but nothing had really come out as a result of these several reports which contained specific recommendations for eradicating malaria. The time appeared opportune for examining what may have been the result of all this continued inactivity on the part of a local authority, who is responsible for the public health administration of the place under question. A combined mosquito and malaria survey was therefore undertaken during the present visit.

5. With regard to the mosquito survey, as already stated, there was not a single detached pit or pool which contained water; and such of those as were found to be the result of overflow from or otherwise connected with Roya channel contained little muddy water in which no larvae of species other than a few A. subpictus were found. In the Roya channel itself there was considerable fluctuation in the level of water due to intermitted supply. Likewise the smaller irrigation channels were either running full or completely dry: consequently no mosquito larvae was found at any part of their course within the town limits.

6. Malarial survey consisted as usual of examining children bet-

the ages of 2 and 12 years for enlarged spleen and of examining blood smears taken from amongst them at the same time and the following statement shows the results obtained:--

Name of locality.	Number of children examined for enlarged spleen.	No. with enlarged spleen. V_0	V_1	V_2	V_3	V_4	V_5	V_6	Spleen rate.	Average spleen
Huts in Kamalapur road.	22	10	4	7	1				54.0	1.4
Huts in Edwardpet and prohibited area near Roya channel.	53	20	22	8	2	1			37.7	0.9
Railway station village.	19	7	1	8	2	1			63.0	1.4
Ry. Station yard.	8	4	2	1	1				50.0	0.8
Scavenger's huts in Chitwadigi road.	25	24	1						4.0	0.04
Chitwadigi hamlet.	45	23	8	6	5	3			50.0	1.05
South-west Town	44	40	3	1					9.0	0.1
Uppudukeri (South Hospet)	80	70	6	4					12.5	0.17
Bellary Road (South East)	94	90	2	2					5.0	0.06
Devangpet.	98	95	3						3.0	0.03
Total.	488	383	52	37	11	5			23.1	0.37

Name of place.	Total smears examined.	Number infected.	Parasite rate.	M.T.	B.T.	Q.T.	Mixed.
Kamalpaur road Huts.	12	3	25	1 cr. 1 r.		1 sp.	
Edwardpet and prohibited area near Roya channel.	36	7	19.4	1 cr.		5 r.	1 cr.&.Q.T r.
Ry. Station.	18	3	17	2 r.		1 r.	
Chitwadigi.	26	2	8			2 r.	
Uppudukeri.	27	3	11	2 r. 1 cr.&.r.			
Bellary road & Devangpet.	5						

124 18 14.5 7 1 9 1.

7. From the above it is clear that malaria is slowly but steadily on the increase and that its incidence and spread are markedly noticeable in that portion of the town called the new extensions lying immediately south of the Roya channel. This area has been under the ban of occupation; and the municipal council, who own an extensive acreage of land here, has been prevented since 1915 to lease or sell land for building dwelling houses. Nevertheless over the whole of the area partly municipal and partly governmental, several squatters doing cooly labour have been permitted to live in huts which are coming up promiscuously in increasing numbers. Several others who own land in the immediate vicinity have been building pukka houses: and it is remarkable that the high spleen rate of 60% in this area was found during a non-febrile season or period of quiescent malaria. There can be little doubt that these people do fall victims sooner or latter to this ailment and it would be extremely difficult to eradicate it when once it takes hold of a community. The present investigation also gives an indication that malaria, so long as it continues uncontrolled is slowly spreading into the other parts of the town. For further evidence, one may as well look into the steadily increasing numbers of people who are treated in the hospital for malaria. (appendix) The only measure of relief that is now available is the free distribution of quinine: but it is unfortunate that only few people who are accustomed to go to the hospital for medical relief get its advantages. The large majority of the poorer class who generally do not go to any allopathic dispensary or hospital get no benefit. These people have got to thank themselves for their fool-hardiness; but in some instances it was found that many of them did not know that quinine was available free of cost if only they applied to the hospital for it. Private or voluntary agencies have not been found to be useful in the past nor are they likely to be, so long as people, who ordinarily pursue their avocations for earning their own means of sustenance, cannot understand the meaning of "social justice". The only means of popularising quinine amongst such poor and ignorant classes appeared to me firstly, to notify these people on the free availability of quinine for the cure of malaria at the hospital by periodical beating of tom-tom; and secondly to instruct the Sanitary Inspector of the municipality to visit such slum areas regul-

distribute the quinine and try and administer it in his own presence. The municipal chairman has agreed to carry out the above suggestions. If, on the other hand, the present state of progress or rather, no progress is to continue there is not the slightest doubt that Hospet town will very soon become the seat of hyper-endemic malaria. A statement showing the comparative spleen rates and parasite indices in certain parts of Hospet in 1927 and in 1930 is given below in support of this statement:

Locality.	1927.		1930.	
	Spleen rate.	Parasite rate.	Spleen rate.	Parasite rate.
Prohibited area including Edwardpet & Victoriapet.	16.9	12.4	60.0	23.0
Railway station village.	30.6	42.8	55.0	16.6
South Hospet.	2.4	2.4	6.6	9.3

The situation can only be saved by the municipal authorities promptly carrying out the recommendations contained in the reports already submitted by me. The first desideratum for this purpose is to obtain a properly trained Sanitary Inspector who will get an assurance of tenurity of service, for good work and conduct Past history in the matter of Sanitary Inspectors' appointments at Hospet does not appear to have been satisfactory. It is not only unwise but false economy to replace an Inspector every 6 or 8 months. But what I consider would be more advisable is to appoint a Second Class Health Officer for Hospet town and give him (2. the assistance of a Sanitary Inspector so that they can conjointly carry on the Health administration including the carrying out of antimalarial measures. At present the Municipal Council are employing 2 Sanitary Inspectors, one for general sanitation and the other for malaria control. The town has never been known to be sanitarily clean and sanitation is at its lowest now in the absence of both the Inspectors. The appointment of a Second Class Health Officer in the place of one of the Sanitary Inspectors is not going to prove any more costly to the municipality and until ... intment is made, I suggest that the Malaria Inspector ... and control of

the District Health Officer, Bellary. The latter officer has got to visit Hospet at least 3 or 4 occasions in a month for his monthly tours in the southern and western taluks of the district and he can thus keep an eye on the progress of work from time to time. By such control, I mean, that the Sanitary Inspector will hold himself responsible to the Dt. Health Officer so far as it concerns his actual work, while the Municipal Chairman continues to keep full disciplinary control over him. I have had a talk on this matter with the District Health Officer and the Municipal Chairman; and both of them appeared agreeable.

Sd. K. Raghavendra Rao,
D.P.H.(Camb.),
Special Malaria Officer, Madras.

PRR.
18-6.

Malaria cases treated in the Government Hospital, Hospet.

Months.	1927.	1928.	1929.	1930.
January.	164	961	445	332
February.	148	958	256	271
March.	179	727	287	393
April.	216	725	267	338
May.	278	785	311	
June.	286	401	241	
July.	273	308	302	
August.	372	305	264	
September.	373	286	279	
October.	484	486	251	
November.	N.	438	298	
December.	N.	448	340	

N.--Not available.

10

L.S.G.I (P.H.) Dept

G.O. 7. 22455 from the D.P.H. R.No. 203-3/Mal
dt 20.6.30.

Subject.

Malaria in Hospet municipality -
progress of anti malarial operations.

The D.P.H. has subd a report
on the progress of anti-malarial operations
in the Hospet Municipality as required in
(7) para 3 of G.O. No 1257 dtd dt 26/3/30. The
report shows that no serious steps have been
made by the Council to combat the epidemic
in the municipality by carrying out the
recommendations of the S.R.O. It is reported
that malaria continues uncontrolled
& is slowly spreading in the other parts of
the town. The following main recommendations are
now made :-

Anti- malarial staff should be supervised by
a qualified Sanitary Inspector should be employed
(2) The Sanitation of the town should be
placed in the hands of a trained Health
Officer (IInd Class) with the assistance of a sanitary

(3) Until a Health officer is appointed, the anti malaria Staff should work under the Supervision and Control of the D.H.O Bellary. The Chairman and the DHO are reported to have be agreeable to this arrangement.

2. As regards item (2) above, ~~action~~ Provision for the employment of a IInd Class Health Officer in the Hospet Municipality was first made in the Budget for 1930-31. As the Council subsequently refused to employ a Health officer, the provision was utilized for the employment of a IInd Class Health Officer in the Chinglepet municipality. In connection with the council's proposal to appoint an L.M.P. Registrar of Births and Deaths, it has been asked to reconsider its decision refusing to employ a Health Officer. The Council's reply is awaited. (Linked file II)

3. As regards the other recommendations, the Chairman seems already to have ~~Council were requested to accept~~ agreed to give effect to them. He may be requested to submit a report of what action has been taken in the matter by 1st Aug. 1930. ~~4. As regards the presumption of~~ ~~the~~ ~~S.M.O. at A~~ ~~Cuddapah~~ ~~4. As regards the presumption~~ ~~of the S.M.O. at A Cuddapah~~ ~~Pulivendla~~ ~~Pulivendla~~ ~~Pulivendla

(Mopad area Hospet Municipality)

inform the D.P.H. as to the exact date of their executing antimalarial works, for which provision has been made in the P.H. budget, so that the S.T.O. may if possible visit the places at the time and help the authorities in the operations.

5. " A draft order is Subd for approval. The case may be sent to P.W. th no. (with reference to) dated 27/6 para 4 above.

27/6 DS
28.6.30.

DS ... So long as the Municipality makes no attempt to do its share in carrying out the recommendations of the S.M.O. it will be waste of money for the Govt. to undertake any measures. When the order is communicated to P.W.L. they will no doubt take steps to stop the sanctioned works until a further report is received from the D.P.H.

A

L.S.G.M. 22555-1 E. P.H.
4-7-30

P.W.H. 12093 dated 12/7/30 with 2 Fs.

SECRETARIAT TO GOVERNMENT
5 JUL 1930
12093
PUBLIC WORKS AND LABOUR DEPT.

4/7.

P.W.L.

P.W.H. Dept.

... may be perused & returned to L.S.G. No specific action seems required at present. Special attention will be drawn to para 2 of the order when it is communicated to the CE (2) - See A above.

9.7.30

L.S.G (P.H) Dept.

55

The draft order may now issue.

Para 3 of the draft. The reply to Memo No. 15274-IE, P.H. of 12.5.1930, has since been received. The question of employment of a Health officer is dealt with separately. Para 3 of this draft as amended is for approval

ar
21.7.30.

Scott. II-5 (3)—12,004—6-11-28

14

L.S.G. (P.H.) DEPARTMENT.

	Date.	Initials.
When received for Fair-copying.		
When copied ..		
When examined ..		
When signed ..		
When despatched ..		

74/16.

Malaria - Hospet Municipality - progress of anti-malarial operations - Recorded with remarks.

READ AGAIN G.O. No. ..... , dated ..... 192 .

" " " " ..... " ..... 192 .

READ ALSO:—

C. No. 22555 From the D.P.H. R. No. 203/3 Mal., dated 20-6-1930 192 .

" " ..... " " ..... " ..... " ..... 192 .

" " ..... " " ..... " ..... " ..... 192 .

ORDER.

No. 1900 PH, dated 1/8/30 192 .

Mis.

8/8/8

Recorded.

2. The Government regret that the Hospet Municipal Council has not made any serious attempt to eradicate malari from the town by carrying out the recommendations of the special malaria officer.

In G.O.Ms.914 P.H., dated 12-4-30 as revised by G.O.1528 P.H., dated 19-6-1930, the Government have sanctioned a sum of Rs.2130 for clearing the Roya channel and its branches. They now consider that this expenditure will be completely wasted unless the municipal council cooperates in carryi out its share of the necessary measures. The execution of the work will accordingly be held in abeyance

15

Council is making an earnest attempt to do so.

3. As regards the employment of a second class health officer in the municipality, ~~the chairman is~~ the question is under the consideration of the Govt. requested to expedite the submission of the reply ~~to~~ Memo. No.15274-1 El P.H., dated ~~12-5-1930~~. (Linked file No IV

4. The alarming increase in the spleen rate and parasite rate in the prohibited area necessitates the speedy removal of huts and other temporary dwellings from the area and the prohibition of its use for residential purposes. The Chairman should take prompt steps to hasten the evacuation.

4/7.

To the C.M.C. Hospet

,, D.P.H.

,, P.W.L. (with copy of notes and enclosures).

c/f.

Dpd by Van / Post / Messenger

Dpr's initials

Date 21/8/30